



# National Museum of Health and Medicine

## Otis Historical Archives

### OHA 255.5 O'Leary Collection

**Accession Number:** 2000.0021

**Date of Records:** 1955-1991

**Size:** 1 cubic foot, 2 boxes

**Processed by:** Laura Cutter, 2012.

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**Biographical Note:** Timothy Joseph O'Leary was born on May 17, 1921 in Ann Arbor, Michigan. In 1939 he graduated from Franklin Academy High School in Malone, NY and spent his undergraduate years at Syracuse University from 1941-1943. He was accepted to the Tufts University School of Medicine and graduated *cum laude* in 1946. O'Leary entered the United States Army as a dentist and transferred to the Air Force when it was created in 1949. Pursuing his interest in the new field of periodontics, O'Leary entered the New York University College of Dentistry as a post-graduate student in 1954, while remaining on active duty with the military. An active teacher and researcher, he was appointed to a series of assignments at the USAF School of Aerospace Medicine, eventually becoming Commander of the Dental Services Division. O'Leary's research focused on the medical evaluation of astronauts, specifically diet and tooth mobility, as well as other aspects of preventative dentistry. In 1968, O'Leary retired from the USAF as a Colonel. He relocated to Indiana where he assumed directorship of the graduate program in periodontics at Indiana University. Under his guidance, it became one of the most comprehensive and respected programs in the country. O'Leary served as the president of the American Academy of Periodontology, chair of the American Board of Periodontology, and editor of the *Journal of Periodontology* for 18 years. As a writer and lecturer, he was a prolific contributor to his field. O'Leary married his wife, Kathleen Anne, in 1946. O'Leary died on August 16, 1991.

**Series/Scope and Content Note:** This collection documents the professional research and publications of Dr. Timothy J. O'Leary (Col, USAF, Ret.). The bulk of this collection consists of reprints of O'Leary's articles, arranged by date. Included are reprints from academic journals as well as those published by the USAF School of Aerospace Medicine. There is also a small amount of material related to the



courses, studies, and programs developed by O'Leary for the Air Force, as well as sixteen lectures given at Lackland Air Force Base and film titled "The Inflammation Reduction Phase of Periodontal Therapy."

## BOX AND CONTENT LIST

### Box 001:

00001: Timothy J. O'Leary: Obituary and Curriculum Vitae

00002: Publications by O'Leary, 1955-1963

- "Signs of Periodontal Breakdown on Patients with Malocclusion – Age 10-20." *Journal of Dental Medicine*. 1955
- "Clinical Correlation and Systematic Status in Periodontal Disease." *USAF School of Aerospace Medicine [Government Publication]*. 1961
- "Inorganic Phosphate Concentration in Body Fluids as Related to Dental Caries Status." *Journal of Dental Research*. 1962.
- "Clinical and Systematic Findings in Periodontal Disease." *Journal of Periodontology*. 1962.
- "Instruction Manual for the Periodontal 'Screening' Procedure." *USAF School of Aerospace Medicine [Government Publication]*. 1963.
- "A Screening Examination for Detection of Gingival and Periodontal Breakdown and Local Irritants." *USAF School of Aerospace Medicine [Government Publication]*. 1963.
- "A Screening Examination for Detection of Gingival and Periodontal Breakdown and Local Irritants." *Periodontics*. 1963.
- "An Instrument for Measuring Horizontal Tooth Mobility." *USAF School of Aerospace Medicine [Government Publication]*. 1963.
- "An Instrument for Measuring Horizontal Tooth Mobility." *Periodontics*. 1963.
- "Horizontal Tooth Mobility in Carefully Screened Subjects." 1963.
- "A Study of Periodontal Examination Systems." *USAF School of Aerospace Medicine [Government Publication]*. 1964.
- "Autogenous Bone Transplants in the Treatment of Osseous Defects." *USAF School of Aerospace Medicine [Government Publication]*. 1964.
- "Baseline Values for an Intramuscular ACTH Test Based on Parotid Fluid Free 17-Hydroxycorticosteroid Levels." *USAF School of Aerospace Medicine [Government Publication]*. 1964.
- "Factors Affecting Horizontal Tooth Mobility." *USAF School of Aerospace Medicine [Government Publication]*. 1965.
- "Oral Glucose Tolerance and Periodontal Status." *Acta Diabetologica Latina*. 1966
- "Parotid Fluid Corticosteroid Response in Normal Subjects During Single-Dose Dexamethasone Suppression Tests." *USAF School of Aerospace Medicine [Government Publication]*. 1966.



- “The Effect of a ‘Tube-Type’ Diet and Stress-Inducing Conditions on Tooth Mobility.” USAF School of Aerospace Medicine [Government Publication]. 1966.
- “Oral Hygiene Procedures in the Presence of a ‘Tube-Type’ Diet.” USAF School of Aerospace Medicine [Government Publication]. 1966.
- “The Periodontal Status of Incoming Air Force Academy Cadets.” USAF School of Aerospace Medicine [Government Publication]. 1966.
- “Factors Affecting Horizontal Tooth Mobility.” *Periodontics*. 1966

00003: Publications by O’Leary, 1964-1966

- “A Study of Periodontal Examination Systems.” *Parodontologie and Academy Review*. 1967
- “Oral Hygiene Procedures in the Presence of a ‘Tube-Type’ Diet.” *Journal of Periodontology*. 1967.
- “The Effect of Mastication on Deglutition on Tooth Mobility.” *Journal of the American Society of Periodontists*. 1967.
- “Instructions to Supplement Teaching Oral Hygiene.” USAF School of Aerospace Medicine [Government Publication]. 1967.
- “Autogenous Bone Grafts: Case Report.” *Journal of the American Society of Periodontists*. 1967.
- “The Incidence of Recession in Young Males: Relationship to Gingival and Plaque Scores.” USAF School of Aerospace Medicine [Government Publication]. 1967.
- “The Periodontal Screening Examination.” *Journal of Periodontology*. 1967.
- “Preventative Periodontic Treatment Procedures: Results after One Year.” USAF School of Aerospace Medicine [Government Publication]. 1967.
- “The Incidence of Recession in Young Males: Relationship to Gingival and Plaque Scores.” *American Academy of Periodontology*. 1968.
- “The Effect of Ascorbic Acid Supplementation on Tooth Mobility.” USAF School of Aerospace Medicine [Government Publication]. 1968.

00004: Publications by O’Leary, 1967-1975

- “Instructions to Supplement Teaching Oral Hygiene.” *Journal of Periodontology – Periodontics*. 1969.
- “Stress as a Predisposing Factor in Necrotizing Ulcerative Gingivitis.” *Journal of Periodontology – Periodontics*. 1969.
- “The Effect of Ascorbic Acid Supplementation on Tooth Mobility.” *Journal of Periodontology – Periodontics*. 1969.
- “Tooth Mobility.” *Dental Clinics of North America*. 1969.
- “Oral Hygiene Agents and Procedures.” 1970.
- “Possible Penetration of Crevicular Tissue from Oral Hygiene Procedures: I. Use of Oral Irrigating Devices.” *Journal of Periodontology*. 1970.



- “Possible Penetration of Crevicular Tissue from Oral Hygiene Procedures: II. Use of the Toothbrush.” *Journal of Periodontology*. 1970.
- “The Incidence of Recession in Young Males: A Further Study.” *Journal of Periodontology*. 1971.
- “Preventative Periodontic Procedures: Results Over 46 Months.” *Journal of Periodontology*. 1971.
- “Tooth mobility in Cuspid-Protected and Group-Function Occlusions.” *Journal of Prosthetic Dentistry*. 1972.
- “Preparing Dental Hygiene Students for Expanded Functions.” *Journal of Dental Education*. 1972.
- “Severe Periodontal Destruction Following Impression Procedures.” *Journal of Periodontology*. 1973.
- “Occlusal Characteristics and Tooth Mobility in Periodically Healthy Young Males Classified Orthodontically.” *Journal of Periodontology*. 1975.
- “How Patients are Motivated and Taught to Practice Effective Oral Hygiene.” Not dated.

00005: *Journal of Periodontology*, April 1973, November 1976, September 1977, December 1977.

00006: “Dental Sciences.” *Medical Service Digest, USAF School of Aerospace Medicine, 50<sup>th</sup> Anniversary*, 1968.

00007: “Effective Oral Hygiene” pamphlet, USAF School of Aerospace.

00008: Proposed Periodontal Program, USAF.

00009: *Periodontology Training Course: Student Handout*, USAF, January 1960.

#### **Box 002:**

00001: Annual Progress Report, Air Force Academy Periodontal Health Study [1 of 2]

00002: Annual Progress Report, Air Force Academy Periodontal Health Study [2 of 2]

00003: “Instruction Manual for the Periodontal ‘Screening’ Procedure.” [Working material], 1963

00004: The Periodontal “Screening” Procedure. SMU file copy. [1 of 2]

00005: The Periodontal “Screening” Procedure. SMU file copy. [2 of 2]

00006: Articles not written by O’Leary

00007: Lackland [Air Force Base] Periodontal Lectures, (Nos. 1-16)

00008: The Inflammation Reduction Phase of Periodontal Therapy [beta tape]